

# Converting Colors

XYZ(62.2804, 73.7403, 86.7222)

Have a look what the booklet for  
XYZ(62.2804, 73.7403, 86.7222)  
contains.

<b>XYZ(62.1531, 73.6311, 86.5377)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(62.1531, 73.6311,  
86.5377)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3E9E7
RGB	179, 233, 231
RGB Percent	70%, 91%, 91%
CMY	0.2980, 0.0863, 0.0941
CMYK	0.23, 0.00, 0.01, 0.09
HSL	178°, 55%, 81%
HSV	178°, 23%, 91%
XYZ	62.1531, 73.6311, 86.5377
YIQ	216.6260, -31.5420, -12.0700

# Conversions

## Conversions Part 2

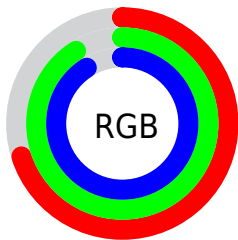
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 207, 233
Decimal	11790823
CIELab	88.75, -17.51, -4.66
CIElCh	89, 18.120, 194.899
Yxy	73.6311, 0.2796, 0.3312
Android (android.graphics.Color)	4289980903 (0xFFB3E9E7)
YUV	216.6260, 7.0864, -32.9980
Hunter-Lab	85.8086, -20.8734, 0.2722

# Details

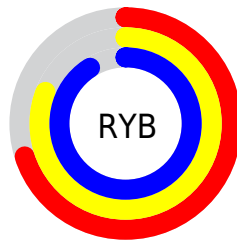
The XYZ color **62.1531, 73.6311, 86.5377** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.0674, 52.9020, 50.8696**, and the grayscale version is **65.6676, 69.0875, 75.2362**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **31.9175, 38.8994, 46.3835** is the 20% darker color. If you saturate the color by 10%, you get **57.0952, 71.0396, 85.6668**, and if you desaturate by 10%, it is **68.1258, 76.6979, 87.4577**.

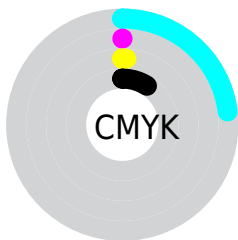
# Distribution



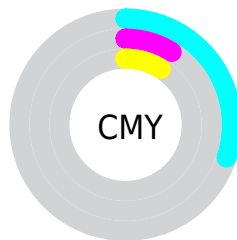
- Red (70%)
- Green (91%)
- Blue (91%)



- Red (70%)
- Yellow (81%)
- Blue (91%)



- Cyan (23%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



- Cyan (30%)
- Magenta (9%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.1531, 73.6311, 86.5377 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 62.1531, 73.6311, 86.5377 by changing the saturation by 10% instead.



■ 62.1531, 73.6311,  
86.5377

■ 62.1531, 73.6311,  
86.5377

422.1980,  
473.1992, 536.9793

■ 45.4125, 54.4922,  
64.5553

■ 107.0355,  
124.3727, 144.4128

■ 31.9851, 38.9953,  
46.6515

135.9079,  
156.7442, 181.1425

■ 21.5056, 26.7561,  
32.4079

169.5550,  
194.2953, 223.6250

■ 13.6087, 17.3901,  
21.4058

208.3422,  
237.4105, 272.2790

■ 7.9289, 10.5130,  
13.2268

252.6347,  
286.4740, 327.5228

■ 4.1009, 5.7404,  
7.4524

302.7979,

■ 1.7594, 2.6879,

341.8704, 389.7751

3.6639

359.1972,  
403.9840, 459.4544

■ 0.4930, 0.9710,  
1.4428

■ 0.0000, 0.0000,  
0.1748

■ 62.1531, 73.6311,  
86.5377

■ 62.1531, 73.6311,  
86.5377

■ 57.0952, 71.0396,  
85.6668

■ 68.1258, 76.6979,  
87.4577

■ 52.8999, 68.8909,  
84.8379

■ 75.0495, 80.2530,  
88.4237


■ 49.5198, 67.1623,  
84.0503

■ 82.9660, 84.3198,  
89.4394

■ 46.9001, 65.8256,  
83.3014


■ 85.2975, 85.5074,  
90.1968


 44.9794, 64.8493,  
82.5883


 85.4224, 85.5573,  
90.8542


 43.6867, 64.1966,  
81.9078

 85.5478, 85.6075,  
91.5147

 42.9362, 63.8234,  
81.2557

 85.6739, 85.6579,  
92.1784

 42.6439, 63.6820,  
80.8229

 85.8005, 85.7086,  
92.8454

 85.9278, 85.7595,  
93.5155

# Harmonies

## Analogous

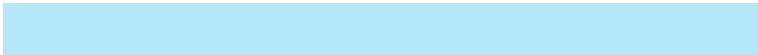
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.1602, 73.6311, 74.0478



62.1531, 73.6311, 86.5377



64.1836, 73.6311, 98.4400

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



62.1531, 73.6311, 86.5377



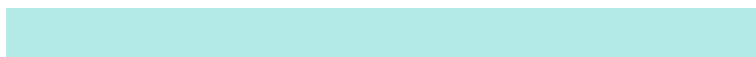
76.1018, 73.6311, 98.5091



72.2024, 73.6311, 59.0575

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



62.1531, 73.6311, 86.5377



58.0674, 52.9020, 50.8696

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.1241, 73.6311, 64.3162



62.1531, 73.6311, 86.5377



78.4385, 73.6311, 86.6244

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.1531, 73.6311, 86.5377



72.1730, 73.6311, 105.8263



78.4468, 73.6311, 74.1259



67.8400, 73.6311, 59.0395

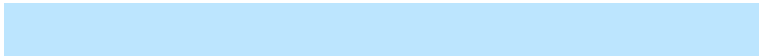


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.1531, 73.6311, 86.5377



66.4702, 73.6311, 104.0699



78.4468, 73.6311, 74.1259



73.6198, 73.6311, 60.2445

# Sweetspot

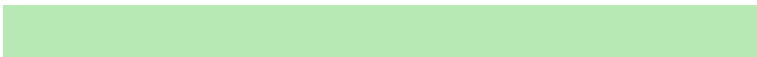
The Sweet Spot groups the original color and five complimentary colors.



62.1552, 73.6341, 86.5394



88.6787, 96.7278, 108.0463



56.4984, 71.4442, 53.4614



18.8693, 20.6464, 23.1109



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

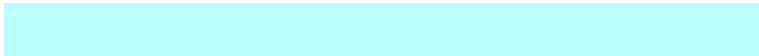


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.1552, 73.6341, 86.5394



73.0579, 88.7116, 105.6603



56.0274, 60.9231, 85.9007



15.4921, 17.1117, 19.2744



24.2067, 36.1371, 45.9148



1.9084, 2.8407, 3.6452



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



58.0674, 52.9020, 50.8696



67.1869, 58.9308, 54.4266



63.1704, 63.4345, 51.5637



15.0881, 15.0631, 15.7493



19.1046, 9.8445, 1.0861

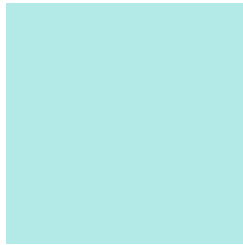


1.5082, 0.7762, 0.1274



# Previews

## White Background



This preview shows how the XYZ color 62.1531, 73.6311, 86.5377 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

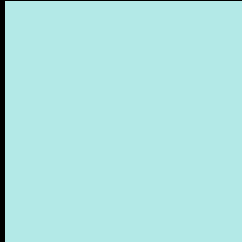
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.1531, 73.6311, 86.5377 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 62.1531, 73.6311, 86.5377**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.1531, 73.6311, 86.5377.



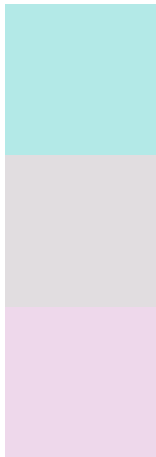
This preview shows how white text looks on a background with the XYZ color 62.1531, 73.6311,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

62.1531, 73.6311, 86.5377

### Protanopia

70.3623, 73.1023, 80.9227

### Deuteranopia

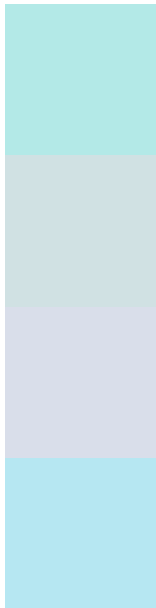
74.8112, 73.2870, 88.8001



## Tritanopia

64.9241, 73.5005, 100.3877

# Trichromacy



## Original Color

62.1531, 73.6311, 86.5377

## Protanomaly

66.8028, 72.8064, 83.2052

## Deuteranomaly

69.5878, 72.9348, 88.2521

## Tritanomaly

63.8943, 73.5077, 94.8252

# Monochromacy



## Original Color

62.1531, 73.6311, 86.5377

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

64.2011, 70.7458, 79.3788

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.1531, 73.6311, 86.5377 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(179, 233, 231)` looks like.

```
.text, #text, p{  
    color:rgb(179, 233, 231)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(179, 233, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 233, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 62.1531, 73.6311, 86.5377 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 233, 231) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(179, 233, 231) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(179, 233, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 233, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 233, 231);  
box-shadow:4px 4px 4px 4px rgb(179, 233,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.1531, 73.6311, 86.5377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 233, 231) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(179,  
233, 231) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor